

Title (en)  
CONTRACT RECOMMENDATION PLATFORM

Title (de)  
VERTRAGSEMPFEHLUNGSPLATTFORM

Title (fr)  
PLATEFORME DE RECOMMANDATION DE CONTRAT

Publication  
**EP 4154158 A4 20240228 (EN)**

Application  
**EP 20936916 A 20200520**

Priority  
CN 2020091320 W 20200520

Abstract (en)  
[origin: US2021366065A1] A contract platform may receive, from data structures, historical contract data; read, from the historical contract data, numerical categorical data; process the numerical categorical data, with one or more artificial intelligence models, to convert the numerical categorical data into vector format; generate a taxonomy in vector format based on the converted numerical categorical data; read, from the historical contract data, nonnumerical noncategorical data; process the nonnumerical noncategorical data, with the models, to convert the nonnumerical noncategorical data into vector format; generate a knowledge graph in vector format based on the converted nonnumerical noncategorical data. The contract platform may receive a request that includes data identifying a new contract to be created; identify, in the taxonomy and in the knowledge graph, similar contracts; determine similarity scores between the data identifying the new contract and data identifying the similar contracts; and provide the similarity scores and the similar contracts.

IPC 8 full level  
**G06Q 50/18** (2012.01); **G06F 40/30** (2020.01); **G06F 40/56** (2020.01); **G06Q 10/067** (2023.01)

CPC (source: EP US)  
**G06F 16/338** (2019.01 - US); **G06F 40/166** (2020.01 - US); **G06F 40/30** (2020.01 - EP); **G06F 40/56** (2020.01 - EP);  
**G06Q 10/067** (2013.01 - EP US); **G06Q 50/188** (2013.01 - EP US); **G06F 40/166** (2020.01 - EP)

Citation (search report)  
• [Y] US 2019266196 A1 20190829 - BOYCE CHRISTOPHER D [US], et al  
• [Y] US 2019005012 A1 20190103 - PRIESTAS JAMES R [US], et al  
• [Y] US 2019171438 A1 20190606 - FRANCHITTI JEAN-CLAUDE L [US]  
• See also references of WO 2021232293A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2021366065 A1 20211125**; EP 4154158 A1 20230329; EP 4154158 A4 20240228; WO 2021232293 A1 20211125

DOCDB simple family (application)  
**US 202117217504 A 20210330**; CN 2020091320 W 20200520; EP 20936916 A 20200520